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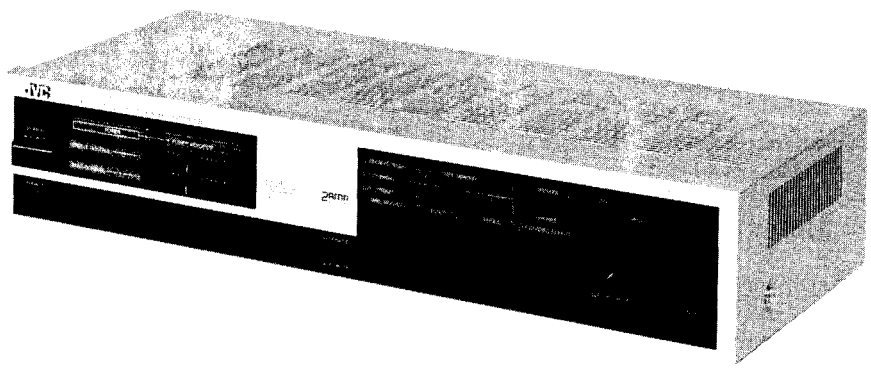
JVC

SERVICE MANUAL

STEREO INTEGRATED AMPLIFIER

MODEL A-GX1/A-GX1B

Model	Color
A-GX1	Silver
A-GX1B	Black



Contents

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This manual combines two single volumes; Service manual and Parts list.

No. 2810
Feb. 1985

Safety Precautions

1. The design of this product contains special hardware, many circuits and components specially for safety purposes.
   For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list in Service manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and/or the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard.
   When service is required, the original lead routing and dress should be observed, and they should be confirmed to be returned to normal, after reassembling.
5. Leakage current check
   (Safety for electrical shock hazard)
   After reassembling the product, always perform an isolation check on the exposed metal parts of the Products (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
   - Alternate check method.
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.).
     This corresponds to 0.5 mA AC (r.m.s.).

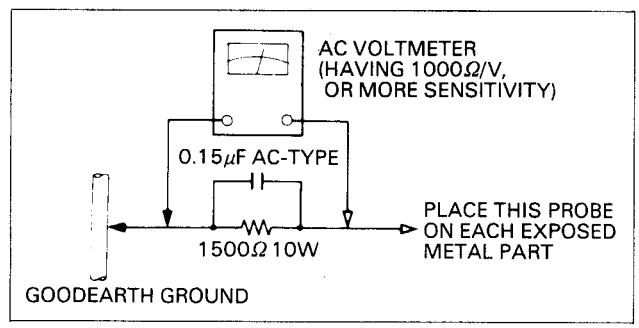


Fig. 1

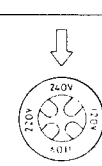
Service Precautions

1. Before repairing, be sure to discharge the large electrolytic capacitors across a resistor of about 100 ohms/1 watt.

■ When disassembling

1. When replacing a power transistor or IC, be sure to apply silicone grease to the section of a new transistor or IC which is in close contact with the heatsink, then mount it.
2. When removing or stretching wires on the P. C. Board, be sure to restore them to their original routing as far as possible.

CHECKING YOUR LINE VOLTAGE (For U.S. Military Market and Other Countries)
Before inserting the power plug, please check this setting to see that it corresponds with the line voltage in your area. If it doesn't be sure to adjust the voltage selector switch to the proper setting before operating this equipment. The voltage selector switch is located on the rear panel.
CAUTION: Before selecting the "Voltage selector switch" to proper voltage disconnect the power plug.



1. Specifications

Output Power : **30 watts per channel, min. RMS, both channels driven into 8 ohms from 40 Hz to 20 kHz, with no more than 0.9% total harmonic distortion. (U.S.A. and Canada only)**
33 watts per channel, min. RMS, both channels driven, into 8 ohms at 1 kHz with no more than 0.9% total harmonic distortion.
(U.S.A. and Canada only)
30 watts per channel, min. RMS, both channels driven, into 8 ohms at 1 kHz with on more than 0.9% total harmonic distortion.

Total Harmonic Distortion : 0.08% at 15 watts output, 1 kHz, 8ohms

Power Band Width : 10 Hz – 30 kHz ('66 IHF, both channels driven, 8 ohms, 0.7% THD)

Frequency Response : 10 Hz – 50 kHz +1 dB, –3 dB (8 ohms)

Tone Controls
- BASS : 100 Hz ±8 dB
- TREBLE : 10 kHz ±8 dB

Input Sensitivity/ Impedance
- PHONO : 2.5 mV/47 kohms
- TUNER, CD/VIDEO SOUND, TAPE : 150 mV/40 kohms

Phono Equalizer Deviation : ±1.0 dB (40 Hz – 15 kHz)

Signal to Noise Ratio
- PHONO : 70 dB ('66 IHF)
- TUNER, CD/VIDEO SOUND, TAPE : 96 dB ('66 IHF)
- PHONO : 78 dB ('78 IHF, Rec Out)
- TUNER, CD/VIDEO SOUND, TAPE : 72 dB ('78 IHF, Speaker Out)

Loudness Control (Volume Control at –30 dB position) : +6 dB at 100 Hz, +4 dB at10 kHz

Dimensions and Weight

Dimensions (mm)			Weight (kg/lbs)
Width	Height	Depth	
435 (17-3/16")	92 (3-5/8")	218 (8-5/8")	3.3 (7.3)

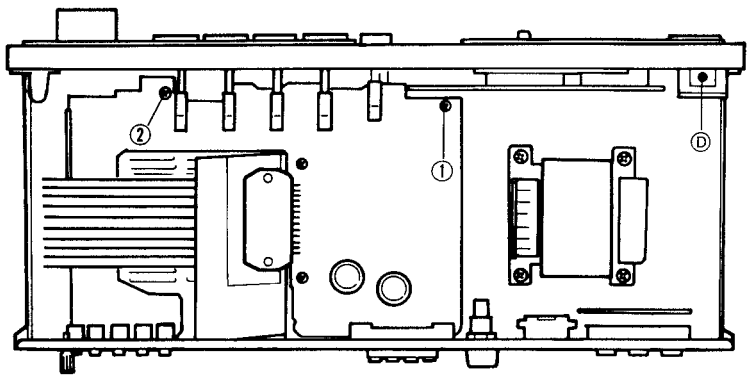
Design and specifications subject to change without notice.

Differences Between Models Intended For Different Areas

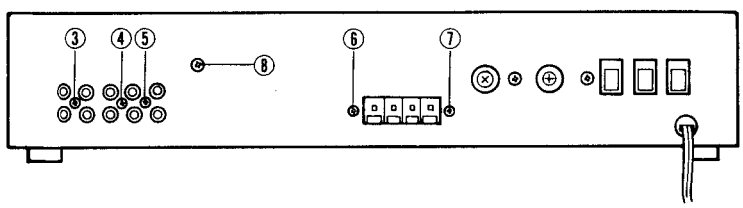
Areas	U.S.A. & Canada	Continental Europe	U.K. & Australia	Other areas
Power supply	AC 120V ∿, 60 Hz	AC 220V ∿, 50 Hz	AC 240V ∿, 50 Hz	AC 110/120/220 240V ∿ selectable, 50/60 Hz
Power Consumption	100 watts, 130 VA	80 watts	80 watts	80 watts
AC voltage selector	Not fitted	Not fitted	Not fitted	Fitted
AC outlet	Fitted	Not fitted	Not fitted	Fitted
AC line fuse holder	Not fitted	Not fitted	Not fitted	Fitted

2. Removal and Reassembly Procedures

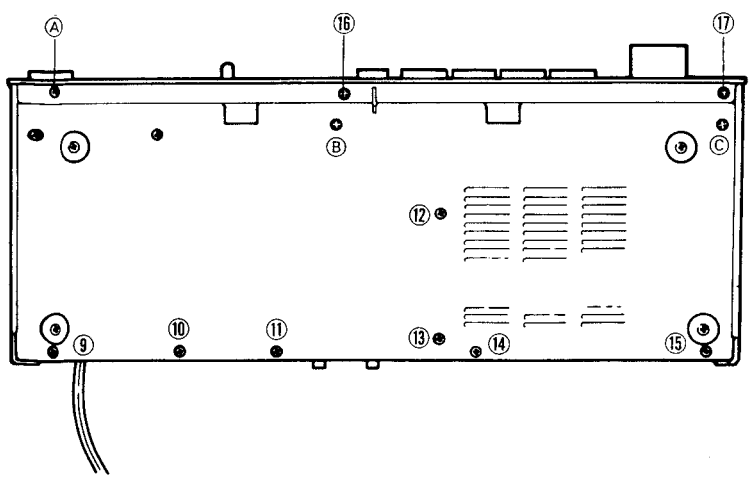
2-(1) Removal of the Main P.C. Board
1. Remove the metal cover.
2. Remove screws ① and ② on the P.C. board



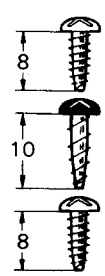
3. Remove the pin jack on the rear panel and fixing screws ③ ~ ⑧ of the speaker terminal.



4. Remove screws Ⓐ ~ Ⓒ and plastic rivet Ⓓ to set the front panel free.
5. Remove all the screws ⑨ ~ ⑮ except the foot at the bottom.



Note:
As three types of fixing screw are used for the base, make sure the screws are correct when reinstalling.

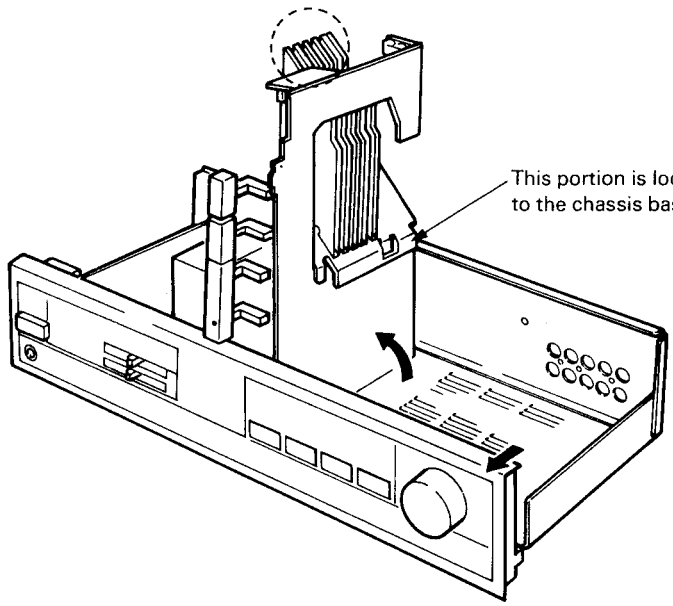


Ⓐ ..... gold-colored head

Ⓑ, Ⓒ, ⑯, ⑰ black-colored head

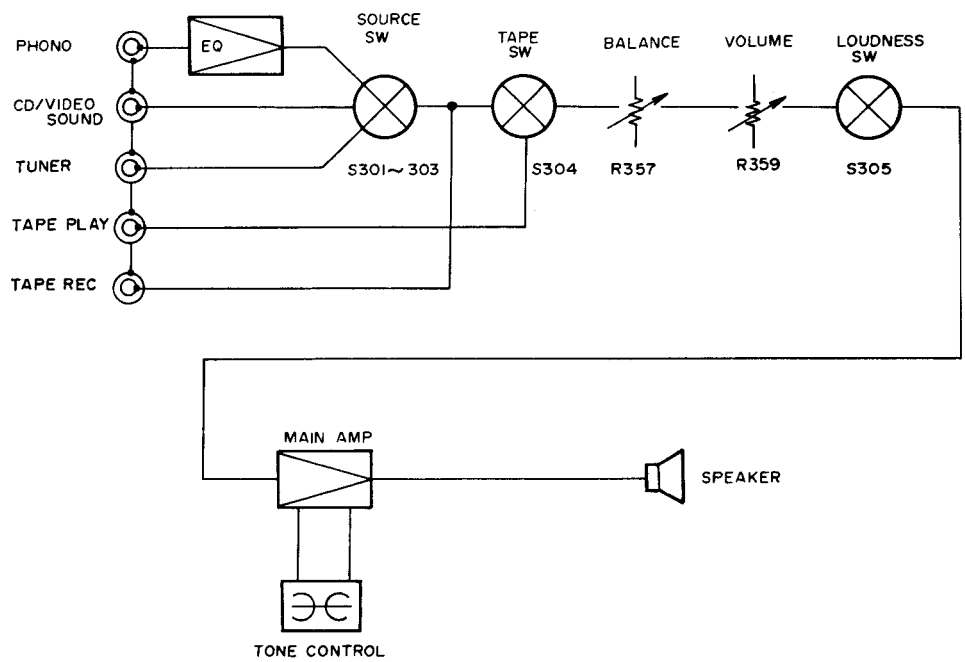
Others ..... silver-colored head

6. Slightly pull the front panel forward to raise the P.C. board as shown in the figure.

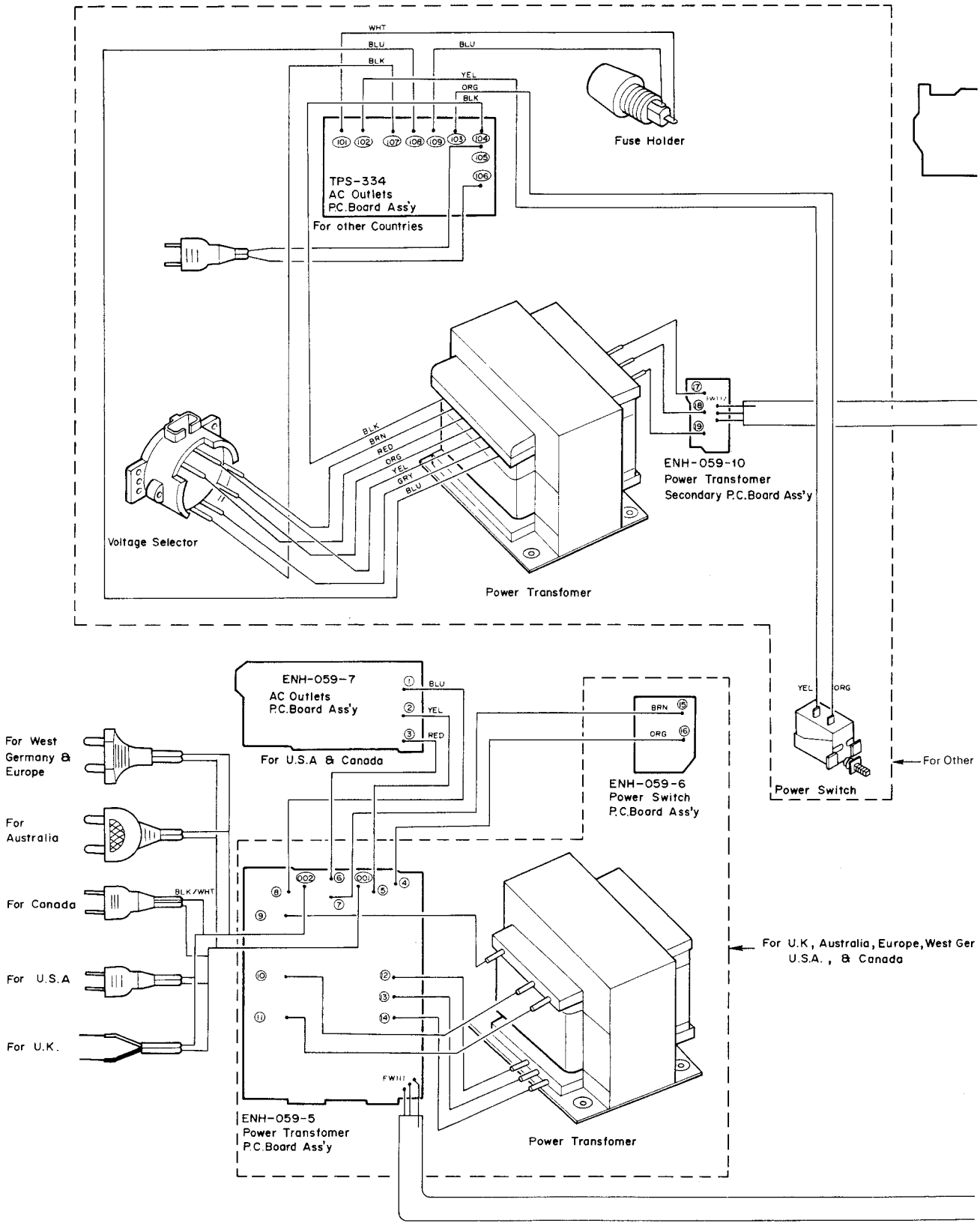


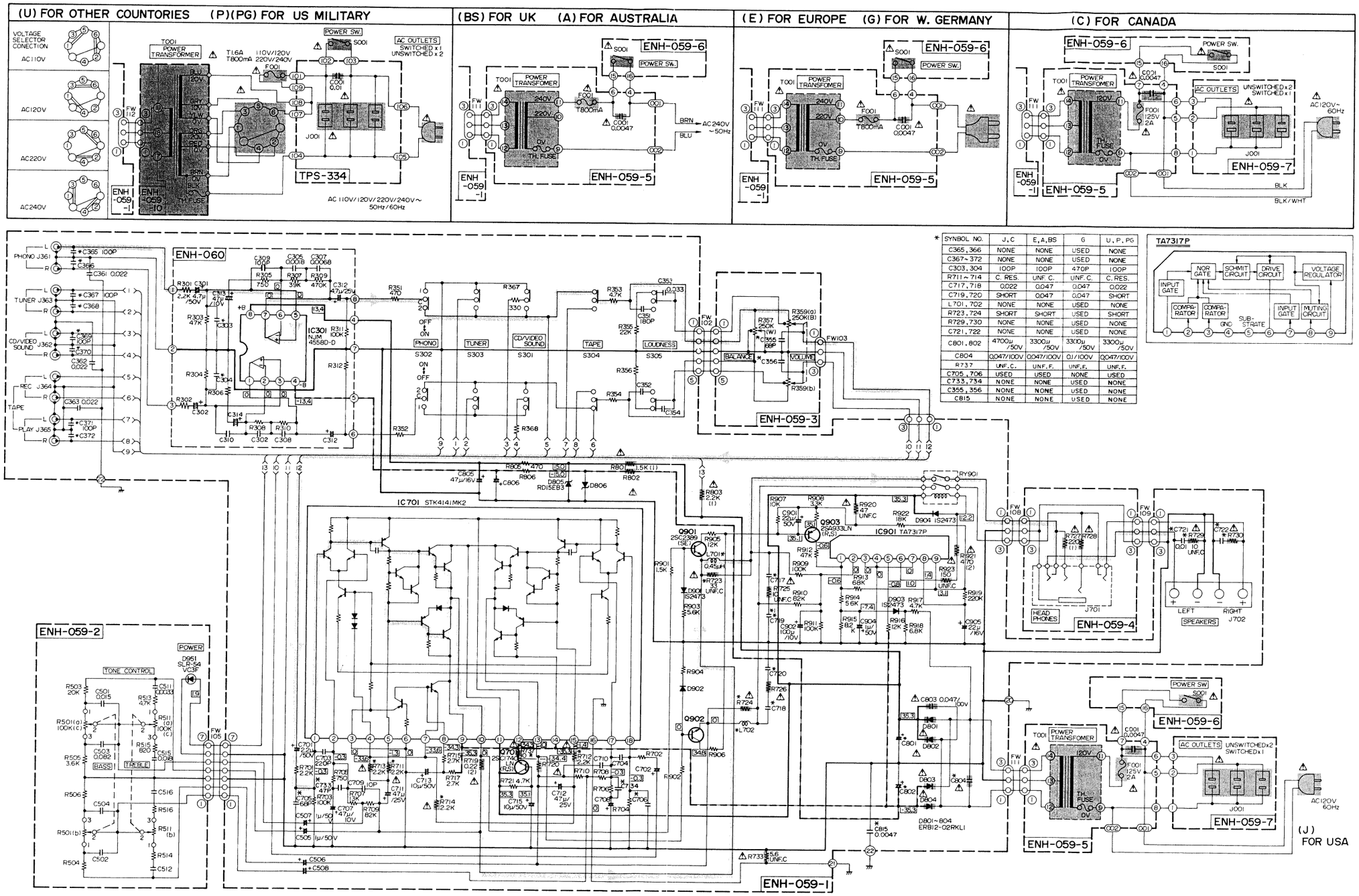
Note: Care should be taken not to deform the part of the heat sink indicated by ◌ when pulling out the P.C. board. Otherwise, it may result in reducing the efficiency of heat dissipcition.

3. Block diagram



4. Wiring Diagram

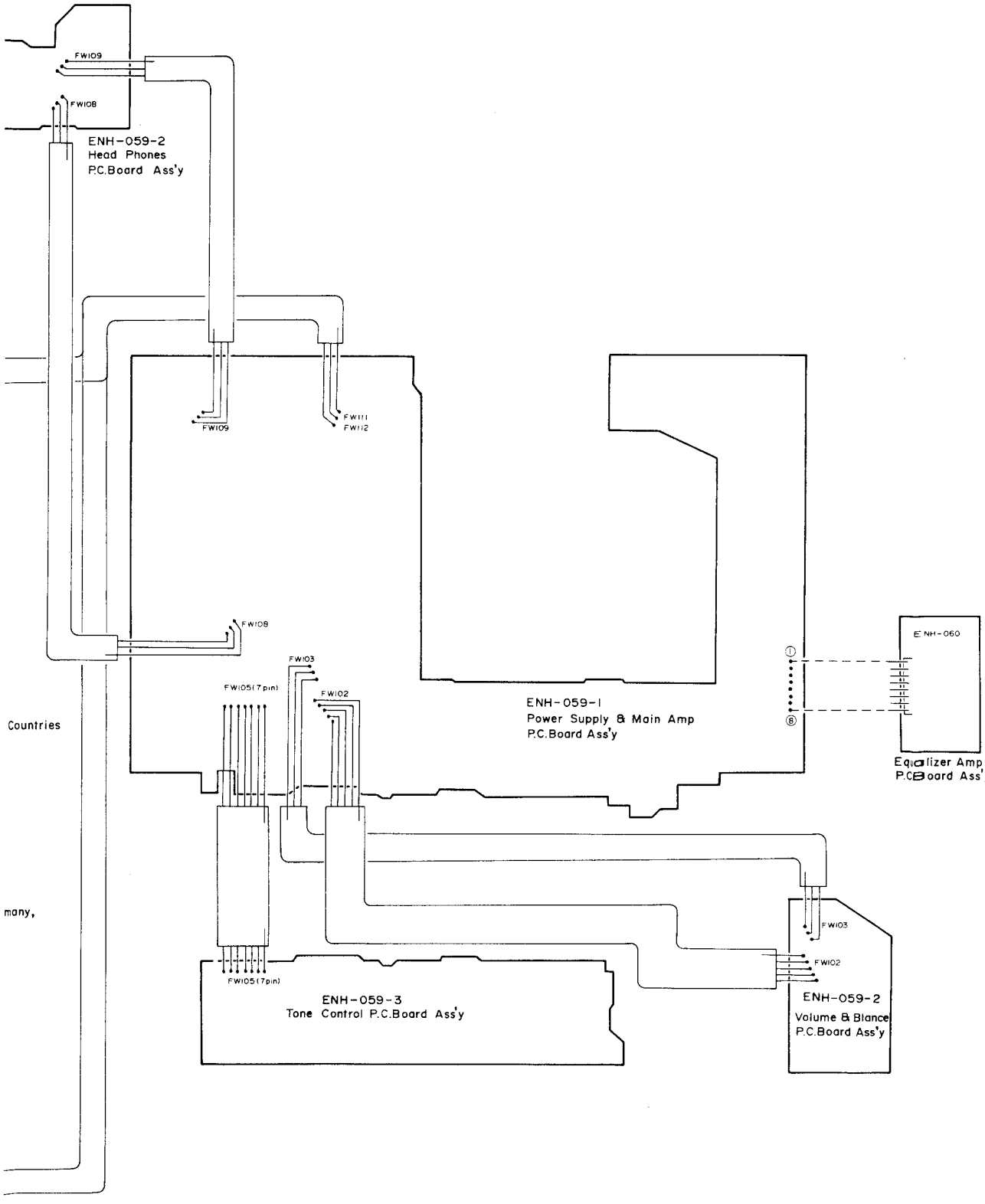


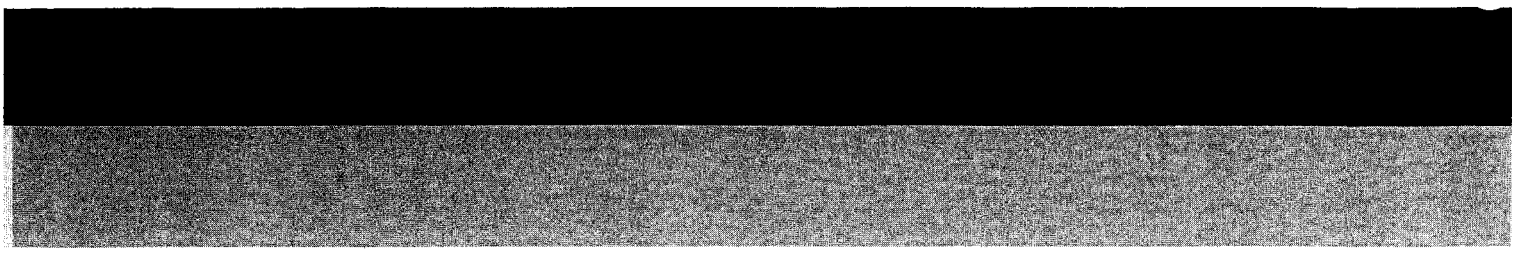


*	SYMBOL NO.	J, C	E, A, BS	G	U, P, PG
	C365, 366	NONE	NONE	USED	NONE
	C367~372	NONE	NONE	USED	NONE
	C303, 304	100P	100P	470P	100P
	R711~714	C. RES.	UNF. C.	UNF. C.	C. RES.
	C717, 718	0.022	0.047	0.047	0.022
	C719, 720	SHORT	0.047	0.047	SHORT
	L701, 702	NONE	NONE	USED	NONE
	R723, 724	SHORT	SHORT	USED	SHORT
	R729, 730	NONE	NONE	USED	NONE
	C721, 722	NONE	NONE	USED	NONE
	C801, 802	4700μ /50V	3300μ /50V	3300μ /50V	3300μ /50V
	C804	Q047/100V	Q047/100V	Q1/100V	Q047/100V
	R737	UNF. C.	UNF. F.	UNF. F.	UNF. F.
	C705, 706	USED	USED	NONE	USED
	C733, 734	NONE	NONE	USED	NONE
	C355, 356	NONE	NONE	USED	NONE
	C815	NONE	NONE	USED	NONE

Notes:

1. ——— indicates positive B power supply.
2. – – – – – indicates negative B power supply.
3. ▒▒▒▒▒ indicates signal path.
4. When replacing the parts in the darkned area (▒▒▒) and those marked with ⚠, be sure to use the designated parts to ensure safety.
5. This is the standard circuit diagram.
   The design and contents are subject to change without notice.


FW109
FW108
ENH-059-2
Head Phones
P.C.Board Ass'y
FW109
FW111
FW112
FW108
FW103
FW105(7pin)
FW102
ENH-059-1
Power Supply & Main Amp
P.C.Board Ass'y
ENH-060
Equalizer Amp
P.C.Board Ass'y
Countries
many,
FW105(7pin)
ENH-059-3
Tone Control P.C.Board Ass'y
FW103
FW102
ENH-059-2
Volume & Blance
P.C.Board Ass'y



JVC

VICTOR COMPANY OF JAPAN, LIMITED
STEREO DIVISION, YAMATO PLANT, 1644, SHIMOTSURUMA, YAMATO-SHI, KANAGAWA-KEN, 242, JAPAN

(No. 2810)

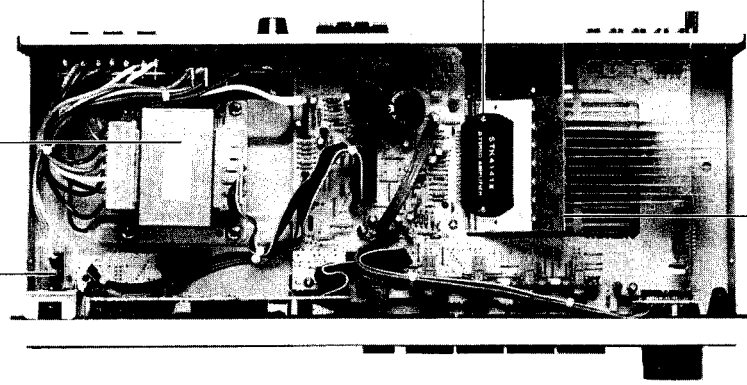
Printed in Japan
6002-G

PARTS LIST

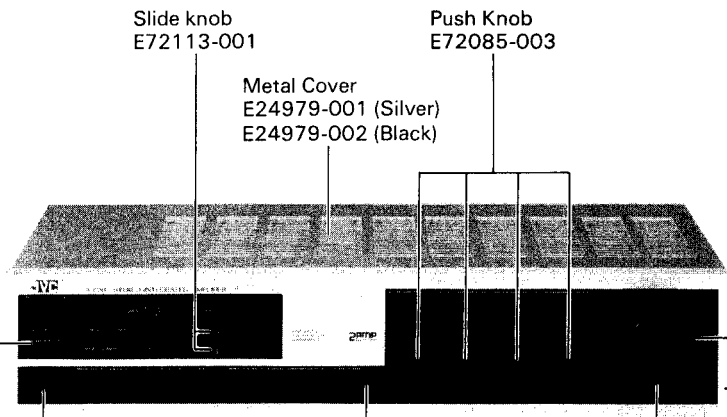
Contents

1. Main Parts Locations

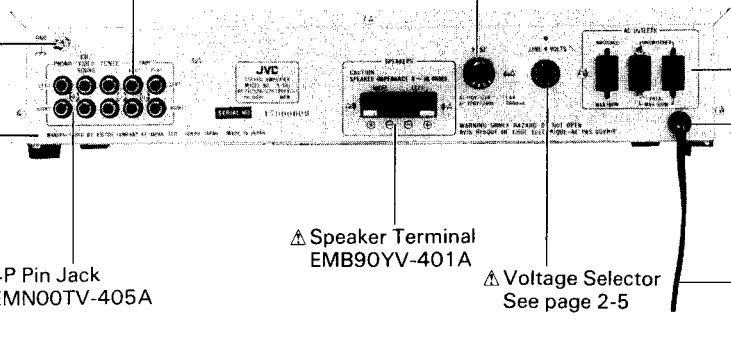
1-(1) Top View



1-(2) Front View

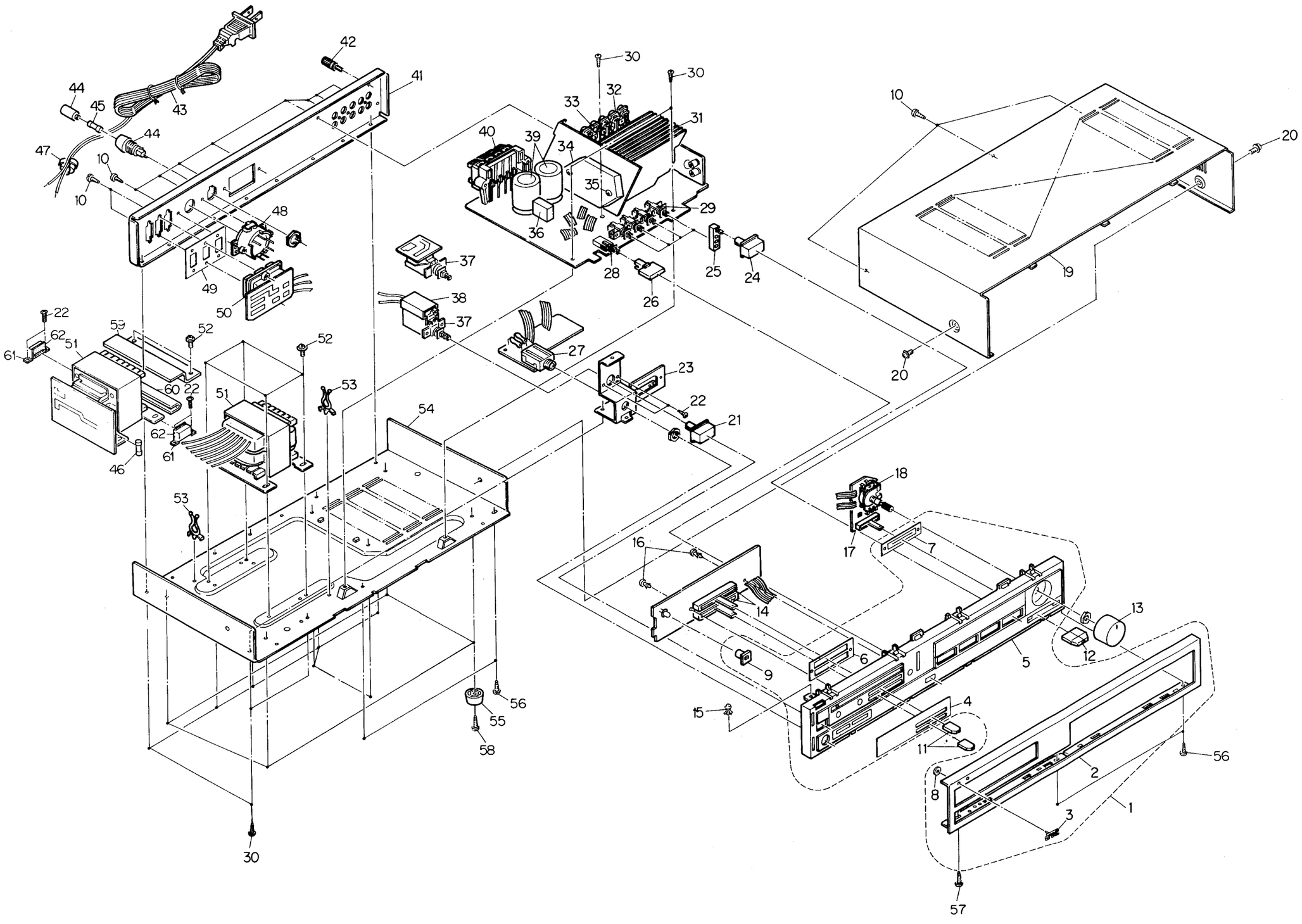


1-(3) Rear View



⚠ : Safety parts

2. Exploded View and Part Numbers



⚠	No.	Part Number	Part Name	Q'ty	Description	Areas
	1	EFP-AGX1E	Front Panel Ass'y	1	Silver	
		EFP-AGX1BE	Front Panel Ass'y	1	Black	
	2	E24974-001	Front Panel	1	Silver	
		E24974-002	Front Panel	1	Black	
	3	E70913-001	JVC Mark	1	Black	
		E70913-002	JVC Mark	1	Silver	
	4	E303707-001	Screen	1		
	5	E11118-001	Front Base	1		
	6	E72141-002	Felt Spacer	1		
	7	E72142-002	Felt Spacer	1		
	8	E60912-003	Speed Nut.	1		
	9	E72153-001	Indicator	1		
	10	SBSB3008N	Tapping Screw	13		
		SBSB3008M	Tapping Screw	13		
	11	E72113-001	Slide Knob	2		
	12	E71269-003	Slide Knob	1		
	13	E72138-001	Volume Knob	1	VOLUME	
	14	QVUB10C-E15C	Variable Resistor	2	TREBLE, BASS	
	15	E48729-009	Plastic Rivet	1		
	16	E48729-007	Plastic Rivet	2		
	17	QVWA01W-EF5B	Variable Resistor	1	BALANCE	
	18	QVN9A3B-5F5V	Variable Resistor	1	VOLUME	
	19	E24979-001	Metal Cover	1	Silver	
		E24979-002	Metal Cover	1	Black	
	20	E61660-001	Special Screw	2	Silver	
		E61660-004	Special Screw	2	Black	
	21	E72085-004	Push Knob	1		
	22	SBST3006Z	Tapping Screw	4		
	23	E3073709-001	Bracket	1		
	24	E72085-003	Push Knob	4		
	25	E72140-001	Push shaft	4		
	26	E71268-002	Push Knob	1	LOUDNESS	
	27	QMS6312-020	Head Phone Jack	1	PHONES	
	28	QST9101-E07	Push Switch	1	LOUDNESS	
	29	QST94A2-E01	Push Switch	1		
	30	SBSB3008N	Tapping Screw	13		
	31	E24976-003	Heat Sink	1		
	32	EMNOOTV-405A	4P Pin Jack	1		
	33	EMNOOTV-602A	6P Pin Jack	1		
	34	STK4141MK2	I.C	1		
	35	SBSA3014Z	Tapping Screw	2		
	36	ESK5D24-218	Relay	1		
⚠	37	QSP1106-004	Push Switch	1	Power	J,C,P,PG,A,E,G,U
⚠		QSP1106-004BS	Push Switch	1	Power	BS
	38	E71004-001	Switch Cover	1	Power	P,PG,U
	39	QEZ0061-478	Electro Capacitor	2		
	40	EMB90YV-401A	Speaker Terminal	1		
	41	E24977-001	Rear Panel	1	Silver	J,C
		E24977-002	Rear Panel	1	Silver	E,A,G,BS
		E24977-003	Rear Panel	1	Silver	P,PG,U
		E24977-004	Rear Panel	1	Black	J,C
		E24977-005	Rear Panel	1	Black	E,A,G,BS
		E24977-006	Rear Panel	1	Black	P,PG,U
	42	E70078-001	GND Terminal	1		
⚠	43	QMP1200-200	Power Cord	1		J
⚠		QMP1340-200	Power Cord	1		C
⚠		QMP2560-244	Power Cord	1		A
⚠		QMP3900-200	Power Cord	1		E,G
⚠		QMP7600-250	Power Cord	1		P,PG,U
⚠		QMP9017-008BS	Power Cord	1		BS

⚠: Safety Parts

⚠	No.	Part Number	Part Name	Q'ty	Description	Areas
⚠	44	QMG0301-003	Fuse Holder	1		P,PG,U
⚠	45	QMF51A2-1R6S	Fuse	1		P
⚠		QMF51A2-R80S	Fuse	1		U,PG
⚠	46	QMF51U1-2RO	Fuse	1		J,C
⚠		QMF51A2-R80S	Fuse	1		E,A,G
⚠		QMF51E2-R80SBS	Fuse	1		BS
⚠	47	QHS3876-162	Cord Stopper	1		J,C,P,PG,E,A,G,U
⚠		QHS3876-162BS	Cord Stopper	1		BS
⚠	48	QSR0085-008U	Voltage Selector	1		P,PG,U
	49	E69589-005	Spacer	1		J.
⚠	50	QMC0637-004	3P AC Outlet	1		J,P,PG,U
⚠		QMC0638-001	3P AC Outlet	1		C.
⚠	51	ETP1070-17EA	Power Transformer	1		E,A,G
⚠		ETP1070-17EABS	Power Transformer	1		BS
⚠		ETP1070-17FA	Power Transformer	1		P,PG,U
⚠		ETP1070-17JA	Power Transformer	1		J,C
	52	E65389-002	Ass'y Screw	4		
	53	QHW2052-001	Wire Clamp	2		
	54	E11117-002	Chassis Base	1		
	55	E47227-012	Foot	4		
	56	SBSF3010M	Tapping Screw	4		
	57	SBSB3008Z	Tapping Screw	1		
	58	SBSB3010N	Tapping Screw	4		
	59	E72347-001	Bracket	1		J,C
	60	E72352-002	Spacer	1		J,C
	61	E71045-001	Trans. Holder	2		J
	62	E61824-002	Cushion	2		J

⚠: Safety Parts

The Marks for Designated Areas

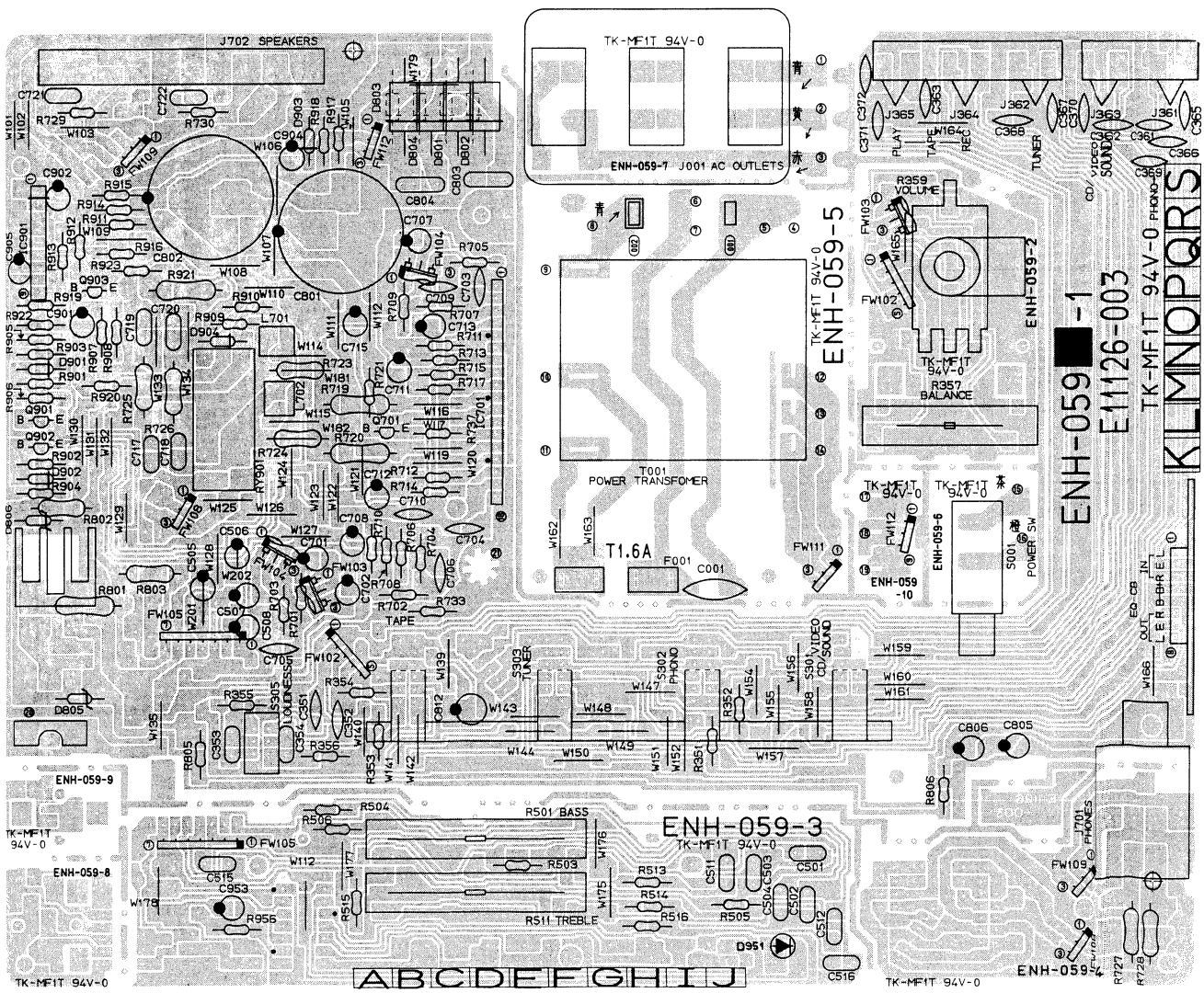
J.....	U. S. A.	P,PG...	U. S. Military Market
C.....	Canada	BS.....	U. K.
E	Europe	A.....	Australia
G.....	West Germany	U.....	Other Countries

3. Printed Circuit Board Ass'y and Parts List

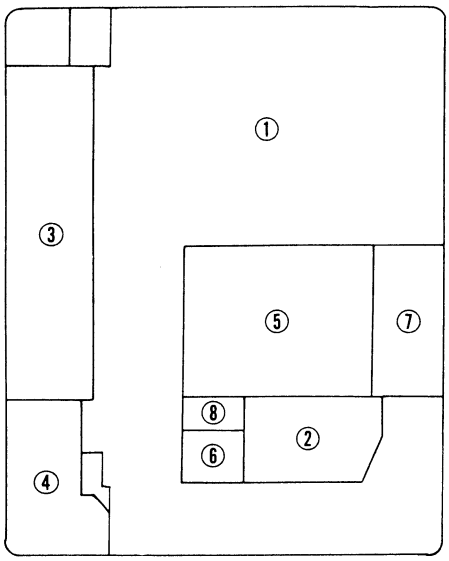
3-(1) ENH-059 □ Main Amp P.C. Board Ass'y

Note (1)

P.C. Board Ass'y	Designated Areas
ENH-059 [A]	U. S. A
ENH-059 [B]	Canada
ENH-059 [C]	U. S. Military Market Other Countries
ENH-059 [E]	Europe
ENH-059 [EBS]	U.K
ENH-059 [G]	Australia
ENH-059 [H]	West Germany



Each Individual P.C. Board Location



① ENH-059-1 Power Amp and Source Switch P.C. Board Ass'y
② ENH-059-2 Volume and Balance P.C. Board Ass'y
③ ENH-059-3 Tone Control P.C. Board Ass'y
④ ENH-059-4 Head Phone P.C. Board Ass'y
⑤ ENH-059-5 Power Transfomer and Fuse P.C. Board Ass'y
⑥ ENH-059-6 Power P.C. Board Ass'y
⑦ ENH-059-7 AC Outlets P.C. Board Ass'y
⑧ ENH-059-10 Power Transfomer (secondary) P.C. Board Ass'y

Transistors

⚠	Item No.	Part Number	Description		Areas
				Maker	
	Q701	2SC1740LN(R,S)	SILICON	ROHM	
	Q901	2SC2389(S,E)	SILICON	ROHM	
	Q902	2SC2389(S,E)	SILICON	ROHM	
	Q903	2SA933LN(R,S)	SILICON	ROHM	

ICs

⚠	Item No.	Part Number	Description		Areas
				Maker	
	IC701	STK4141MK2	I.C.	SANYO	
	IC901	TA7317P	I.C.	TOSHIBA	

Diodes

⚠	Item No.	Part Number	Description		Areas
				Maker	
⚠	D801	ERB12-02RKL1	SILICON	FUJIDENKI	
⚠	D802	ERB12-02RKL1	SILICON	FUJIDENKI	
⚠	D803	ERB12-02RKL1	SILICON	FUJIDENKI	
⚠	D804	ERB12-02RKL1	SILICON	FUJIDENKI	
	D805	RD15EB3	SILICON	NEC	
	D806	RD15EB3	SILICON	NEC	
	D901	1S2473	SILICON	ROHM	
	D902	1S2473	SILICON	ROHM	
	D903	1S2473	SILICON	ROHM	
	D904	1S2473	SILICON	ROHM	
	D951	SLR-54VC50F165	L.E.D.	ROHM	

Coils

⚠	Item No.	Part Number	Description	Areas
	L701	EQL0001-R45	INDUCTOR	H
	L702	EQL0001-R45	INDUCTOR	H

Capacitors

⚠	Item No.	Part Number	Description			Areas
	C001	QCZ9019-472	4700PF		CERAMIC	A
	C001	QCZ9019-472	4700PF		CERAMIC	B
	C001	QCZ9019-472	4700PF		CERAMIC	E
	C001	QCZ9019-472	4700PF		CERAMIC	FBS
	C001	QCZ9019-472	4700PF		CERAMIC	G
	C001	QCZ9019-472	4700PF		CERAMIC	H
	C351	QCS31HJ-181	180PF	50V	CERAMIC	
	C352	QCS31HJ-181	180PF	50V	CERAMIC	
	C353	QFN31HK-333	0.033MF	50V	MYLAR	
	C354	QFN31HK-333	0.033MF	50V	MYLAR	
	C355	QCS31HJ-680	68PF	50V	CERAMIC	H
	C356	QCS31HJ-680	68PF	50V	CERAMIC	H
	C361	QCF31HP-223	0.022MF	50V	CERAMIC	
	C362	QCF31HP-223	0.022MF	50V	CERAMIC	
	C363	QCF31HP-223	0.022MF	50V	CERAMIC	
	C365	QCS31HJ-101	100PF	50V	CERAMIC	H
	C366	QCS31HJ-101	100PF	50V	CERAMIC	H
	C367	QCS31HJ-101	100PF	50V	CERAMIC	H
	C368	QCS31HJ-101	100PF	50V	CERAMIC	H
	C369	QCS31HJ-101	100PF	50V	CERAMIC	H
	C370	QCS31HJ-101	100PF	50V	CERAMIC	H
	C371	QCS31HJ-101	100PF	50V	CERAMIC	H
	C372	QCS31HJ-101	100PF	50V	CERAMIC	H
	C501	QFN31HK-153	0.015MF	50V	MYLAR	
	C502	QFN31HK-153	0.015MF	50V	MYLAR	
	C503	QFN31HK-823	0.082MF	50V	MYLAR	
	C504	QFN31HK-823	0.082MF	50V	MYLAR	
	C505	QETC1HM-105	1MF	50V	ELECTRO	
	C506	QETC1HM-105	1MF	50V	ELECTRO	
	C507	QETC1HM-105	1MF	50V	ELECTRO	
	C508	QETC1HM-105	1MF	50V	ELECTRO	
	C511	QFN31HK-332	3300PF	50V	MYLAR	
	C512	QFN31HK-332	3300PF	50V	MYLAR	
	C515	QFN31HK-183	0.018MF	50V	MYLAR	
	C516	QFN31HK-183	0.018MF	50V	MYLAR	
	C701	QETC1HM-225	2.2MF	50V	ELECTRO	
	C702	QETC1HM-225	2.2MF	50V	ELECTRO	
	C703	QCS31HJ-221	220PF	50V	CERAMIC	
	C704	QCS31HJ-221	220PF	50V	CERAMIC	
	C705	QCS31HJ-680	68PF	50V	CERAMIC	A

⚠ : Safety Parts

Capacitors

⚠	Item No.	Part Number	Description			Areas
	C705	QCS31HJ–680	68PF	50V	CERAMIC	B
	C705	QCS31HJ–680	68PF	50V	CERAMIC	C
	C705	QCS31HJ–680	68PF	50V	CERAMIC	E
	C705	QCS31HJ–680	68PF	50V	CERAMIC	FBS
	C705	QCS31HJ–680	68PF	50V	CERAMIC	G
	C706	QCS31HJ–680	68PF	50V	CERAMIC	A
	C706	QCS31HJ–680	68PF	50V	CERAMIC	B
	C706	QCS31HJ–680	68PF	50V	CERAMIC	C
	C706	QCS31HJ–680	68PF	50V	CERAMIC	E
	C706	QCS31HJ–680	68PF	50V	CERAMIC	FBS
	C706	QCS31HJ–680	68PF	50V	CERAMIC	G
	C707	QETC1AM–476	47MF	10V	ELECTRO	
	C708	QETC1AM–476	47MF	10V	ELECTRO	
	C709	QCS31HJ–100	10PF	50V	CERAMIC	
	C710	QCS31HJ–100	10PF	50V	CERAMIC	
	C711	QETC1EM–476	47MF	25V	ELECTRO	
	C712	QETC1EM–476	47MF	25V	ELECTRO	
	C713	QETC1HM–106	10MF	50V	ELECTRO	
	C715	QETC1HM–106	10MF	50V	ELECTRO	
	C717	QFN31HK–473	0.047MF	50V	MYLAR	E
	C717	QFN31HK–473	0.047MF	50V	MYLAR	FBS
	C717	QFN31HK–473	0.047MF	50V	MYLAR	G
	C717	QFN31HK–473	0.047MF	50V	MYLAR	H
	C717	QFN31HK–223	0.022MF	50V	MYLAR	A
	C717	QFN31HK–223	0.022MF	50V	MYLAR	B
	C717	QFN31HK–223	0.022MF	50V	MYLAR	C
	C718	QFN31HK–473	0.047MF	50V	MYLAR	E
	C718	QFN31HK–473	0.047MF	50V	MYLAR	FBS
	C718	QFN31HK–473	0.047MF	50V	MYLAR	G
	C718	QFN31HK–473	0.047MF	50V	MYLAR	H
	C718	QFN31HK–223	0.022MF	50V	MYLAR	A
	C718	QFN31HK–223	0.022MF	50V	MYLAR	B
	C718	QFN31HK–223	0.022MF	50V	MYLAR	C
	C719	QFN31HK–473	0.047MF	50V	MYLAR	E
	C719	QFN31HK–473	0.047MF	50V	MYLAR	FBS
	C719	QFN31HK–473	0.047MF	50V	MYLAR	G, H
	C720	QFN31HK–473	0.047MF	50V	MYLAR	E
	C720	QFN31HK–473	0.047MF	50V	MYLAR	FBS
	C720	QFN31HK–473	0.047MF	50V	MYLAR	G, H
	C721	QFN31HK–103	0.01MF	50V	MYLAR	H
	C722	QFN31HK–103	0.01MF	50V	MYLAR	H
	C733	QCS31HJ–470	47PF	50V	CERAMIC	H
	C734	QCS31HJ–470	47PF	50V	CERAMIC	H
	C801	QEZ0072–338	3300MF	50V	ELECTRO	C
	C801	QEZ0072–338	3300MF	50V	ELECTRO	E
	C801	QEZ0072–338	3300MF	50V	ELECTRO	FBS
	C801	QEZ0072–338	3300MF	50V	ELECTRO	G
	C801	QEZ0072–338	3300MF	50V	ELECTRO	H
	C801	QEZ0061–478	4700MF	50V	ELECTRO	A
	C801	QEZ0061–478	4700MF	50V	ELECTRO	B
	C802	QEZ0072–338	3300MF	50V	ELECTRO	C
	C802	QEZ0072–338	3300MF	50V	ELECTRO	E
	C802	QEZ0072–338	3300MF	50V	ELECTRO	FBS
	C802	QEZ0072–338	3300MF	50V	ELECTRO	G
	C802	QEZ0072–338	3300MF	50V	ELECTRO	H
	C802	QEZ0061–478	4700MF	50V	ELECTRO	A
	C802	QEZ0061–478	4700MF	50V	ELECTRO	B
⚠	C803	QFM32AK–473	0.047MF	100V	MYLAR	
⚠	C804	QFM32AK–473	0.047MF	100V	MYLAR	A
⚠	C804	QFM32AK–473	0.047MF	100V	MYLAR	B

⚠: Safety Parts

Capacitors

⚠	Item No.	Part Number	Description			Areas
⚠	C804	QFM32AK–473	0.047MF	100V	MYLAR	C
⚠	C804	QFM32AK–473	0.047MF	100V	MYLAR	D
⚠	C804	QFM32AK–473	0.047MF	100V	MYLAR	E
⚠	C804	QFM32AK–473	0.047MF	100V	MYLAR	E
⚠	C804	QFM32AK–473	0.047MF	100V	MYLAR	FBS
⚠	C804	QFM32AK–473	0.047MF	100V	MYLAR	G
⚠	C804	QFM32AK–104	0.1MF	100V	MYLAR	H
	C805	QETC1CM–476	47MF	16V	ELECTRO	
	C806	QETC1CM–476	47MF	16V	ELECTRO	
	C815	QCY21HK–472	4700PF	50V	CERAMIC	H
	C902	QETC1AM–107	100MF	10V	ELECTRO	
	C904	QETC1HM–105	1MF	50V	ELECTRO	
	C905	QETC1CM–226	22MF	16V	ELECTRO	

Resistors

⚠	Item No.	Part Number	Description			Areas
	R351	QRD141J–471S	470	1/4W	CARBON	
	R352	QRD141J–471S	470	1/4W	CARBON	
	R353	QRD141J–472S	4.7K	1/4W	CARBON	
	R354	QRD141J–472S	4.7K	1/4W	CARBON	
	R355	QRD141J–223S	22K	1/4W	CARBON	
	R356	QRD141J–223S	22K	1/4W	CARBON	
	R357	QVWA01W–EF5B	250K	1/8W	VARIABLE	
	R359	QVN9A3B–5F5V	250K	1/8W	VARIABLE	
	R501	QVUB01C–E15C	100K	1/8W	VARIABLE	
	R503	QRD141J–203S	20K	1/4W	CARBON	
	R504	QRD141J–203S	20K	1/4W	CARBON	
	R505	QRD141J–362S	3.6K	1/4W	CARBON	
	R506	QRD141J–362S	3.6K	1/4W	CARBON	
	R511	QVUB01C–E15C	100K	1/8W	VARIABLE	
	R513	QRD141J–472S	4.7K	1/4W	CARBON	
	R514	QRD141J–472S	4.7K	1/4W	CARBON	
	R515	QRD141J–821S	820	1/4W	CARBON	
	R516	QRD141J–821S	820	1/4W	CARBON	
	R701	QRD141J–222S	2.2K	1/4W	CARBON	
	R702	QRD141J–222S	2.2K	1/4W	CARBON	
	R703	QRD141J–104S	100K	1/4W	CARBON	
	R704	QRD141J–104S	100K	1/4W	CARBON	
	R705	QRD141J–751S	750	1/4W	CARBON	
	R706	QRD141J–751S	750	1/4W	CARBON	
	R707	QRD141J–133S	13K	1/4W	CARBON	
	R708	QRD141J–133S	13K	1/4W	CARBON	
	R709	QRD141J–823S	82K	1/4W	CARBON	
	R710	QRD141J–823S	82K	1/4W	CARBON	
⚠	R711	QRD145J–222S	2.2K	1/4W	UNF.CARBON	E
⚠	R711	QRD145J–222S	2.2K	1/4W	UNF.CARBON	FBS
⚠	R711	QRD145J–222S	2.2K	1/4W	UNF.CARBON	G
⚠	R711	QRD145J–222S	2.2K	1/4W	UNF.CARBON	H
	R711	QRD141J–222S	2.2K	1/4W	CARBON	A
	R711	QRD141J–222S	2.2K	1/4W	CARBON	B
	R711	QRD141J–222S	2.2K	1/4W	CARBON	C
⚠	R712	QRD145J–222S	2.2K	1/4W	UNF.CARBON	E
⚠	R712	QRD145J–222S	2.2K	1/4W	UNF.CARBON	FBS
⚠	R712	QRD145J–222S	2.2K	1/4W	UNF.CARBON	G
⚠	R712	QRD145J–222S	2.2K	1/4W	UNF.CARBON	H
	R712	QRD141J–222S	2.2K	1/4W	CARBON	A

Resistors

⚠	Item No.	Part Number	Description			Areas
	R712	QRD141J−222S	2.2K	1/4W	CARBON	B
	R712	QRD141J−222S	2.2K	1/4W	CARBON	C
⚠	R713	QRD145J−222S	2.2K	1/4W	UNF.CARBON	E
⚠	R713	QRD145J−222S	2.2K	1/4W	UNF.CARBON	FBS
⚠	R713	QRD145J−222S	2.2K	1/4W	UNF.CARBON	G
⚠	R713	QRD145J−222S	2.2K	1/4W	UNF.CARBON	H
	R713	QRD141J−222S	2.2K	1/4W	CARBON	A
	R713	QRD141J−222S	2.2K	1/4W	CARBON	B
	R713	QRD141J−222S	2.2K	1/4W	CARBON	C
⚠	R714	QRD145J−222S	2.2K	1/4W	UNF.CARBON	E
⚠	R714	QRD145J−222S	2.2K	1/4W	UNF.CARBON	FBS
⚠	R714	QRD145J−222S	2.2K	1/4W	UNF.CARBON	G
⚠	R714	QRD145J−222S	2.2K	1/4W	UNF.CARBON	H
	R714	QRD141J−222S	2.2K	1/4W	UNF.CARBON	A
	R714	QRD141J−222S	2.2K	1/4W	UNF.CARBON	B
	R714	QRD141J−222S	2.2K	1/4W	UNF.CARBON	C
	R715	QRD141J−272S	2.7K	1/4W	CARBON	
	R717	QRD141J−272S	2.7K	1/4W	CARBON	
⚠	R719	QRX022J−R22AF	0.22	2W	O.M.FILM	
⚠	R720	QRX022J−R22AF	0.22	2W	O.M.FILM	
	R721	QRD141J−272S	2.7K	1/4W	CARBON	
⚠	R723	QRD145J−330S	33	1/4W	UNF.CARBON	H
⚠	R724	QRD145J−330S	33	1/4W	UNF.CARBON	
⚠	R725	QRD145J−100S	10	1/4W	UNF.CARBON	
⚠	R726	QRD145J−100S	10	1/4W	UNF.CARBON	
⚠	R727	QRG012J−221A	220	1W	O.M.FILM	
⚠	R728	QRG012J−221A	220	1W	O.M.FILM	
⚠	R729	QRD145J−100S	10	1/4W	UNF.CARBON	H
⚠	R730	QRD145J−100S	10	1/4W	UNF.CARBON	H
⚠	R733	QRD145J−5R6S	5.6	1/4W	CARBON	
⚠	R737	QRD145−100S	10	1/4W	UNF.CARBON	A
⚠	R737	QRD145−100S	10	1/4W	UNF.CARBON	B
⚠	R737	QRZ0062−100	10	1/4W	FUSIBLE	C
⚠	R737	QRZ0062−100	10	1/4W	FUSIBLE	E
⚠	R737	QRZ0062−100	10	1/4W	FUSIBLE	FBS
⚠	R737	QRZ0062−100	10	1/4W	FUSIBLE	G
⚠	R737	QRZ0062−100	10	1/4W	FUSIBLE	H
⚠	R801	QRG012J−152A	1.5K	1W	O.M.FILM	
⚠	R802	QRG012J−152A	1.5K	1W	O.M.FILM	
⚠	R803	QRG012J−222A	2.2K	1W	O.M.FILM	
	R805	QRD141J−471S	470	1/4W	CARBON	
	R806	QRD141J−471S	470	1/4W	CARBON	
	R901	QRD141J−152S	1.5K	1/4W	CARBON	
	R902	QRD141J−152S	1.5K	1/4W	CARBON	
	R903	QRD141J−562S	5.6K	1/4W	CARBON	
	R904	QRD141J−562S	5.6K	1/4W	CARBON	
	R905	QRD141J−123S	12K	1/4W	CARBON	
	R906	QRD141J−123S	12K	1/4W	CARBON	
	R907	QRD141J−103S	10K	1/4W	CARBON	
	R908	QRD141J−332S	3.3K	1/4W	CARBON	
	R909	QRD141J−104S	100K	1/4W	CARBON	
	R910	QRD141J−823S	82K	1/4W	CARBON	
	R911	QRD141J−104S	100K	1/4W	CARBON	
	R912	QRD141J−473S	47K	1/4W	CARBON	
	R913	QRD141J−683S	68K	1/4W	CARBON	
	R914	QRD141J−563S	56K	1/4W	CARBON	
	R915	QRD141J−822S	8.2K	1/4W	CARBON	
	R916	QRD141J−123S	12K	1/4W	CARBON	
	R917	QRD141J−472S	4.7K	1/4W	CARBON	
	R918	QRD141J−682S	6.8K	1/4W	CARBON	

⚠: Safety Parts

Resistors

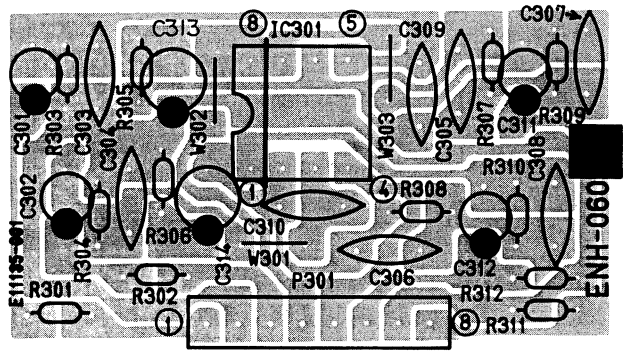
⚠	Item No.	Part Number	Description			Areas
	R919	QRD141J−224S	220K	1/4W	CARBON	
⚠	R920	QRD145J−470S	47	1/4W	UNF.CARBON	
⚠	R921	QRG022J−471A	470	2W	O.M.FILM	
	R922	QRD141J−183S	18K	1/4W	CARBON	
⚠	R923	QRD145J−151S	150	1/4W	UNF.CARBON	

Others

⚠	Item No.	Part Number	Description	Areas
		E11126−003	CIRCUIT BOARD	A
		E11126−003	CIRCUIT BOARD	B
		E11126−003	CIRCUIT BOARD	C
		E11126−003	CIRCUIT BOARD	F
		E11126−003	CIRCUIT BOARD	G
		E11126−003	CIRCUIT BOARD	H
		E11126−003BS	CIRCUIT BOARD	EBS
		E72257−001	EARTH PLATE (VOLUME)	
		E65508−002	TAB	
		EMG7331−001	FUSE CLIP	
		EMG7331−001	FUSE CLIP	
		E33754−001	TIE BAND	
		E70859−001	EARTH PLATE	
⚠	J001	QMC0637−004	3P AC OUTLET	A
⚠	J001	QMC0638−001	AC OUTLET	B
	J361	EMN00TV−405A	4P PIN JACK	
	J363	EMN00TV−602A	PIN JACK ASS'Y	
	J701	QMS6312−020	HEADPHONE JACK	
	J702	EMB90YV−401A	SPEAKER TERMINAL	
⚠	S001	QSP1106−004	PUSH SWITCH	A
⚠	S001	QSP1106−004	PUSH SWITCH	B
⚠	S001	QSP1106−004	PUSH SWITCH	E
⚠	S001	QSP1106−004	PUSH SWITCH	G
⚠	S001	QSP1106−004	PUSH SWITCH	H
⚠	S001	QSP1106−004BS	PUSH SWITCH	FBS
	S301	QST94A2−E01	PUSH SWITCH	
	S305	QST9101−E07	PUSH SWITCH	
	RY901	ESK5D24−218	RELAY	

3-(2) ENH-060 Equalizer Module B.C. Board Ass'y

Note: ENH-060 □ varies according to the areas employed. See note (1) when placing an order.



Note (1)

P.C. Board Ass'y	Designated Areas
ENH-060 [A]	Except for West Germany
ENH-060 [B]	West Germany

ICs

⚠	Item No.	Part Number	Description		Areas
				Maker	
	IC301	NJM4558D-D	IC	J,R,C	

Capacitors

⚠	Item No.	Part Number	Description			Areas
	C301	QETCIHM-475	4.7μF	50V	ELECTRO	
	C302	QETCIHM-475	4.7μF	50V	ELECTRO	
	C303	QCY31HK-101	100pF	50V	CERAMIC	A
	C303	QCY31HK-461	460pF	50V	CERAMIC	B
	C304	QCY31HK-101	100pF	50V	CERAMIC	A
	C304	QCY31HK-471	470pF	50V	CERAMIC	B
	C305	QCY31HK-182	1800pF	50V	CERAMIC	
	C306	QCY31HK-182	1800pF	50V	CERAMIC	
	C307	QCY31HK-682	6800pF	50V	CERAMIC	
	C308	QCY31HK-682	6800pF	50V	CERAMIC	
	C309	QCY31HK-101	100pF	50V	CERAMIC	
	C310	QCY31HK-101	100pF	50V	CERAMIC	
	C311	QETC1HK-475	4.7μF	50V	ELECTRO	
	C312	QETC1HK-475	4.7μF	50V	ELECTRO	
	C313	QETC1HK-476	0.47μF	50V	ELECTRO	
	C314	QETCIAM-476	0.47μF	50V	ELECTRO	

⚠: Safety Parts

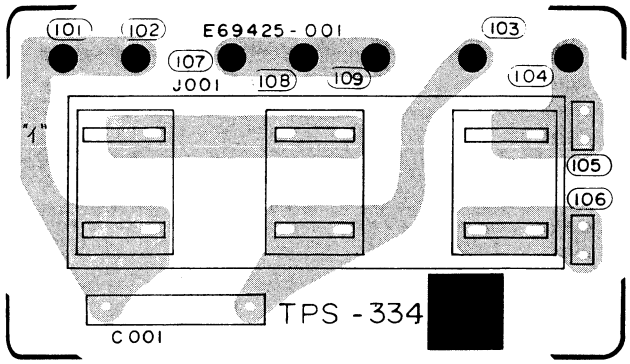
Resistors

⚠	Item No.	Part Number	Description			Areas
	R301	QRD161J-222	2.2K	1/6W	CARBON	
	R302	QRD161J-222	2.2K	1/6W	CARBON	
	R303	QRD161J-473	47K	1/6W	CARBON	
	R304	QRD161J-473	47K	1/6W	CARBON	
	R305	QRD161J-751	750	1/6W	CARBON	
	R306	QRD161J-751	750	1/6W	CARBON	
	R307	QRD161J-393	39K	1/6W	CARBON	
	R308	QRD161J-393	39K	1/6W	CARBON	
	R309	QRD161J-475	470K	1/6W	CARBON	
	R310	QRD161J-475	470K	1/6W	CARBON	
	R311	QRD161J-104	100K	1/6W	CARBON	
	R312	QRD161J-104	100K	1/6W	CARBON	

Others

⚠	Item No.	Part Number	Description	Areas
	P301	EMV5101-008B	PLUG ASS'Y	
		E11135-001	CIRCUIT BOARD	

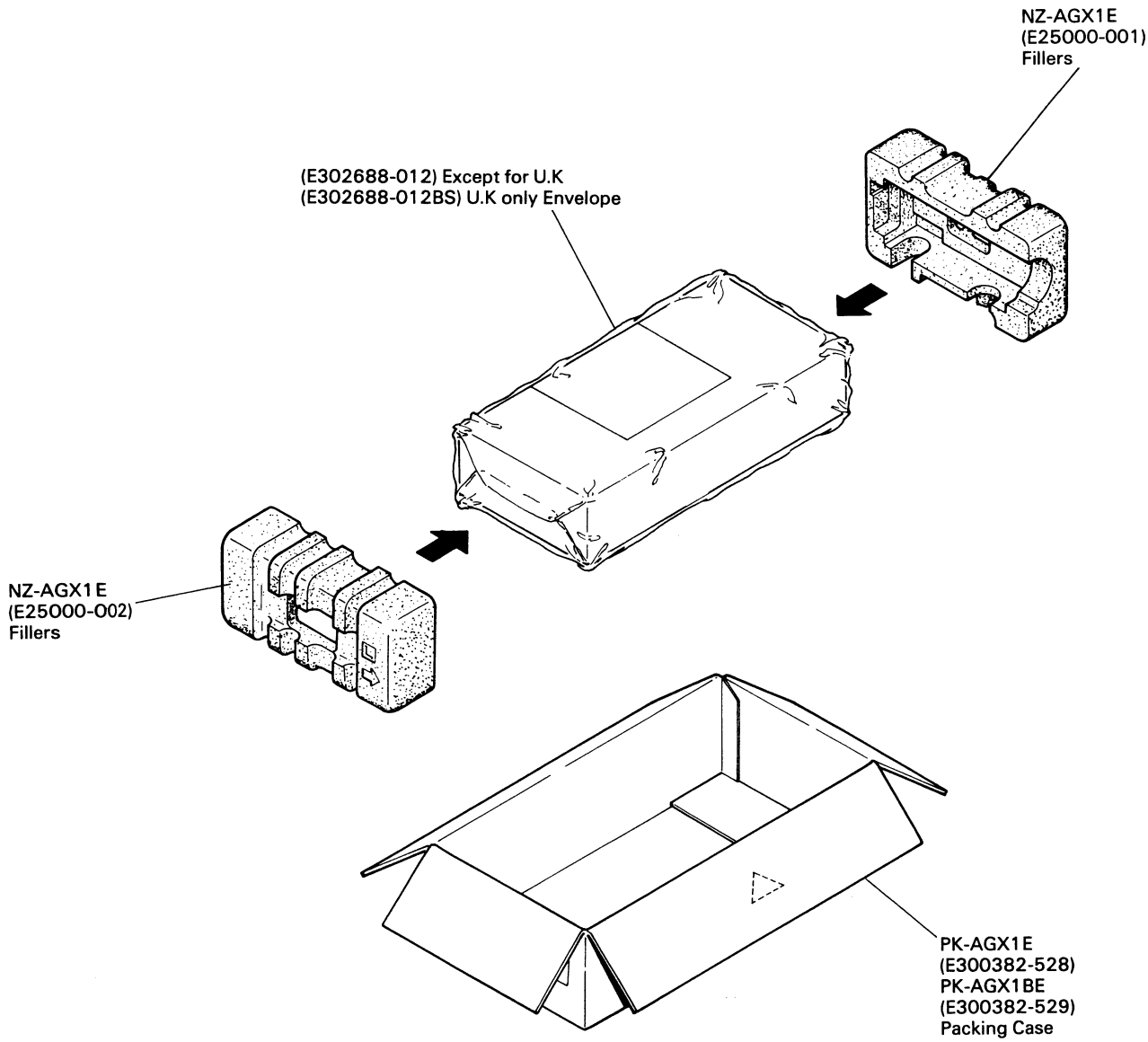
3-(3) TPS-334 AC Outlet P.C. Board Ass'y (Eecept for U.S.A., Canada, Europe, West Germany, Australia & U.K)



⚠	Item No.	Part Number	Description	Areas
⚠	C001	QFZ9010-103	M. MYLAR	
⚠		QMC0637-004	3P AC OUT LET	
		E43727-001	TAB	
		E65508-002	TAB	
		E69425-001	CIRCUIT BOARD	

⚠: Safety Parts

4. Packing Materials and Part Numbers



5. Accessories List

⚠	Part Number	Part Name	Description	Area
	E30580-1234A	Instruction Book		J,C,U,P,E,A,G,PG
	E30580-1234ABS	Instruction Book		BS
	BT20048B	Warranty Card		J,P
	BT20046B	JVC Service Information Card		J,P
	BT20054-006A	F.T.Z Information Card		G
	E66416-003	Envelop (for Warranty Card)		J,PG
	BT20044D	JVC Safety Instruction Sheet		J,PG
	BT20025F	Warranty Card		C
⚠	OMF51A2-R80S	Fuse		P
⚠	OMF51A2-1R6S	Fuse		PG,U
	BT20029C	Warranty Card		A
	BT20060	Warranty Card		BS
	E41202-2	Envelope		J,C,U,P,E,A,G,PG
	E41202-2B	Envelope		BS
	BT20066	EEC Agency		BS,G
	BT20071A	Service Center List		C
	BT20064	Warranty Card		G
	E35487-017	Caution Sheet	110V	P
	E35497-019	Caution Sheet	220V	PG,U

⚠: Safty parts

The Marks for Designated Areas

J..... U. S. A.
C..... Canada
E..... Europe
G..... West Germany
P,PG... U. S. Military Market
BS..... U. K.
A..... Australia
U..... Other Countries